Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/09/2019 08:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125562	0	1.05	125639	1.04
Blue	F	SSC	125000	125879	0	1.65	126716	1.69
Blue	E	FITC	16122	15868	-2	2.69	347	19.90
Blue	D	PE	29316	28950	-2	1.86	632	14.47
Blue	B	PerCP-Cy5-5	42590	42233	-1	3.58	1131	20.11
Blue	A	PE-Cy7	33146	33571	1	5.95	641	39.68
Red	C	APC	45473	44959	-2	2.37	1591	11.86
Red	A	APC-Cy7	31961	31139	-3	2.27	823	11.78
Violet	B	V450	7914	7467	-6	5.31	418	14.20
Violet	A	V500	29769	28259	-6	5.18	658	11.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20928	2.85	608	8	N/A	N/A	Pass
Blue	F	SSC	57240	1.17	553	15	N/A	N/A	Pass
Blue	E	FITC	63	63.54	540	3	0.0202	139	Pass
Blue	D	PE	132	48.86	542	5	0.1694	275	Pass
Blue	B	PerCP-Cy5-5	209	49.06	647	9	0.0093	53	Pass
Blue	A	PE-Cy7	118	99.47	700	9	0.0116	19	Pass
Red	C	APC	378	25.64	585	6	0.0264	258	Pass
Red	A	APC-Cy7	180	28.29	561	5	0.0057	914	Pass
Violet	B	V450	63	63.87	466	6	0.0450	2056	Pass
Violet	A	V500	98	35.23	478	6	0.0218	866	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.43	-31.96	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.93	13.60 - 20.40	N/A	N/A	29.43	29.89	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12456

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments